

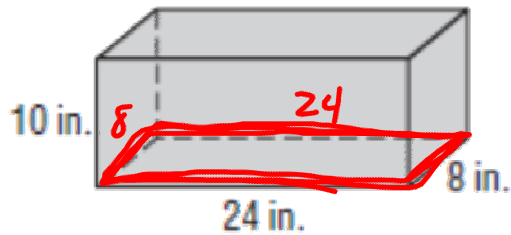
04/22/14    Agenda:

- Review Homework
  - Worksheet 2 - Volume of Prisms
- Review Unit 10 Test
- Unit 11 - Day 4 - Review of Prisms & Cylinders
- Mini Quiz
- Homework
  - Finish Worksheet 4
  - Review of Prisms and Cylinders

# Unit 11 Day 4 - Review Prisms & Cylinders

## Targets 11a & 11B

April 22, 2014



$$B = 24 \cdot 8$$

Area of Base: 192 in.<sup>2</sup>

$$LA = P \cdot H$$

$$64 \cdot 10$$

Lateral Area: 640 in.<sup>2</sup>

Surface Area: 1024 in.<sup>2</sup>

$$P = 24 + 8 + 24 + 8$$

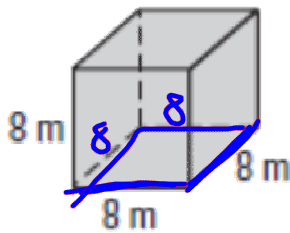
$$= 64$$

$$SA = LA + 2B$$

$$640 + 2(192)$$

Volume: 1920 in.<sup>3</sup>

$$V = B \cdot H = 24 \cdot 8 \cdot 10$$



Area of Base: 64 m<sup>2</sup>

Lateral Area: 256 m<sup>2</sup>

Surface Area: 384 m<sup>2</sup>

$$P = 8 + 8 + 8 + 8$$

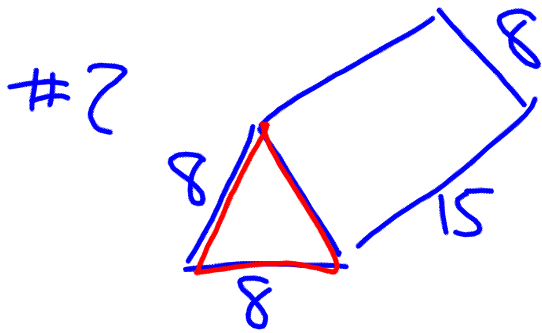
$$= 32$$

$$SA = LA + 2 \cdot B = 256 + 2(64)$$

Volume: 512 m<sup>3</sup>

$$V = B \cdot H$$

$$64 \cdot 8$$



$$\begin{aligned}
 A_{\text{Base}} &= \frac{s^2\sqrt{3}}{4} \\
 &= \frac{8^2\sqrt{3}}{4} \\
 &= \frac{64\sqrt{3}}{4} \\
 &= 16\sqrt{3}
 \end{aligned}$$

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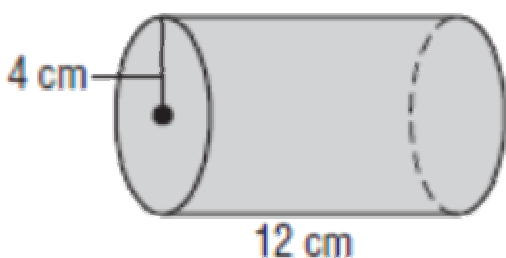
## Targets 11a & 11B

April 22, 2014

$$A_{\text{BASE}} = \pi r^2$$

$$LA = C \cdot H$$

$$\text{CIRCUMFERENCE} = 2\pi r$$



$$A = \pi r^2$$

Area of Base:  $16\pi \text{ cm}^2$

$$LA = C \cdot H$$

Lateral Area:  $96\pi \text{ cm}^2$

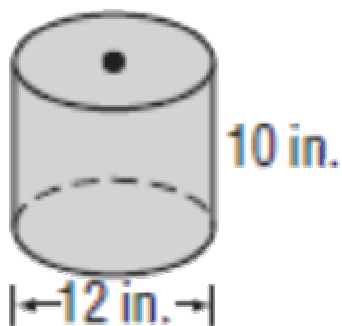
$$SA = LA + 2B = 96\pi + 2(16\pi)$$

Surface Area:  $128\pi \text{ cm}^2$

Volume:  $192\pi \text{ cm}^3$

$$V = B \cdot H$$

$16\pi \cdot 12$



Area of Base: \_\_\_\_\_

Lateral Area: \_\_\_\_\_

Surface Area: \_\_\_\_\_

Volume: \_\_\_\_\_